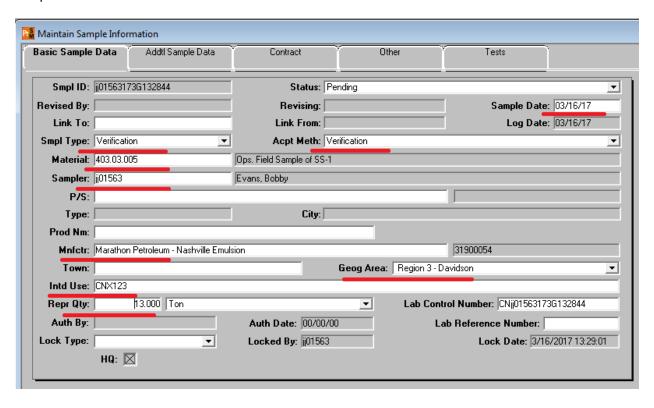Rev 4/12/17

Operations Verification Sampling/Testing of Emulsion

OVERVIEW: In order to track not only the manufacturer of component materials, but also the location where they are stockpiled and sampled from; SiteManager samples must include the contractor performing the work along with the material manufacturer's plant. All contracts represented by the sample will be listed on the "Other" tab of the SiteManager sample (quicker and easier than selecting contracts, project, and items on "Contract" tab of sample, plus contracts that have not been made "Active" yet will appear to be included if needed). At the end of this document is a list of material codes that are contained in asphalt plants.

Below is the procedure a Regional Operations Inspector will follow for Asphalt Cement verification samples from the Asphalt Mix plant:

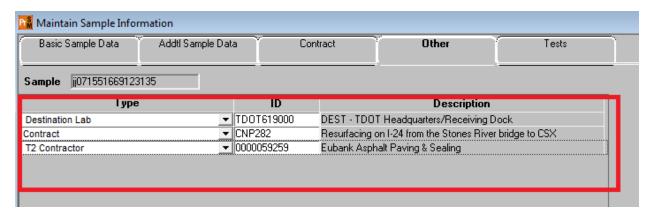Create a "Verification" sample in SiteManager. Below are screen captures of what is required for the sample:

1. The date the sample was taken needs to be listed in the "Sample Date" field.

2. The "Mnfctr" field contains the Manufacturer of material being verified.

3. The county the material was sampled in will be selected in the "Geog. Area" field of the sample record.

4. List ALL contracts this material is certified for in the "Intd Use" field.

5. List the tonnage of material represented in the "Repr Qty" field

6. Save record before leaving tab to make sure P/S and product info is saved.

NOTE: In order to prepare for going paperless in the future, enter contract(s) represented by the sample in the "Intd Use" field. This will also be captured on the "Other" tab of the sample record.

You are now ready to enter destination lab and contracts on the "Other" tab of the sample record.

1. Create a line for each contract this sample will represent.

2. For this sample the contractor doing the work will be documented here. Add a line for T2 Contractor, and select the contractor placing the material.

3. Enter destination lab. Based on age and method of storage, the destination lab will be either "HQ receiving Dock" or "Contractor's Lab" See details below.

From SOP 3-2:

Contract Sampling
TDOT will sample and conduct weekly verification testing of contract samples.
Verification testing for emulsions that are more than a week old (as measured from the date of departure from the terminal) will be tested at the contractor's laboratory by the TDOT plant technician, except if the material is stored in a storage tank by the contractor. Verification testing at the contractor's plant will only consist of the AASHTO T-59 Sieve Test and the AASHTO T-59 Residue by Evaporation. The test procedures listed in the appendix may be used for quality control only.
Emulsions that are less than a week old or that have been stored by the contractor in a storage tank will be sent to the Headquarters Laboratory for testing. Samples at the headquarters laboratory may be tested for any of the specified requirement listed in the Specification 904.03 or the product specification for QPL items at the Department's discretion.

NOTE: If a contract sample is found to be out of compliance, the certification for the load will be deemed no longer valid and the rejected from further use.

4. Save record

5. Add tests ("T" icon) accept "Default Tests".

6. Write SiteManager Sample ID on container (please make as legible as possible)

7. Fill out T2. Include Sample ID on T2

Material codes for Verification of Emulsions

402.03.006	Ops Field Sample of AE-P
402.03.012	Ops Field Sample of CAE-P
403.03.005	Ops. Field Sample of SS-1
403.03.013	Ops Field Sample of CSS-1
403.03.014	Ops Field Sample of CSS-1h
403.03.015	Ops Field Sample of SS-1h
403.03.016	Ops Field Sample of TST-1p
403.03.017	Ops Field Sample of CQS-1h
403.03.018	Ops Field Sample of CQS-1hp
403.03.020	Ops Field Sample of UltraTack NTSS-1HM
403.03.021	Ops Field Sample of eTac-H
403.03.023	Ops Field Sample of NTCRS=1hSP
403.03.025	Operations Field Sample of SS-1VH
403.03.026	Operations Field Sample of DOTC10
403.03.027	Operations Field Sample of UltraFuse